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The document cited below was faxed by me, Robert O. McGinnis, to the USPTO today October 2, 2006. The document was faxed to Commissioner for Patents, Alexandria, Virginia, Facsimile # 1-571-273-8300

The document is a Preliminary Amendment for **Application No.: 10/037,718**, MCGINNIS, et. al. inventors, Filed: 01/04/2002, Title of the Invention: TWO-DIMENSIONAL LINKAGE STUDY METHODS AND RELATED INVENTIONS

**Examiner: Whaley, Pablo, Art Unit 1631**

The document is 39 pages (with this certificate a total of 40 pages). The document contains a new amended claim listing & Remarks; the number of pending claims (dependent, independent and total) is unchanged from previously. **No extra claim fee or other fee is due with this amendment.**

Respectfully submitted,



Robert McGinnis, Reg. No. 44, 232  
Agent of Record for Appl. No. 10/037, 718  
Oct. 2, 2007

Preliminary Amendment to the claims 10/037, 718 Applicants  
MCGINNIS ET AL. October 2, 2007 Faxed to 1-571-273-8300 Total of 39 pages

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**Preliminary Amendment**

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**OCT 02 2007**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of:

Ralph Evan McGinnis and Robert Owen McGinnis

Application No.: 10/037,718

Filed: 01/04/2002

Title of the Invention: TWO-DIMENSIONAL LINKAGE STUDY METHODS AND  
RELATED INVENTIONS

Art Unit 1631

Examiner: Whaley, Pablo

Commissioner for Patents, Alexandria, Virginia, Facsimile # 1-571-273-8300

**PRELIMINARY AMENDMENT**

Sir:

This preliminary amendment of the claims is made subsequent to an Election with Traverse filed on August 10, 2007. The Election with Traverse was filed in response to a Restriction Requirement mailed May 10, 2007.

Preliminary Amendment to the claims 10/037, 718 Applicants 2  
MCGINNIS ET AL. October 2, 2007 Faxed to 1-571-273-8300 Total of 39 pages

Seventy-six claims (including 7 independent) are now pending unchanged from previously, no extra claim fee is due. Forty-nine claims are now drawn to the elected invention. **But these 49 new claims are, however, equivalent to only 23 claims: 1 independent claim, 20 dependent claims and 2 multiple dependent claims, see beginning of Remarks.**

**Amendments to the Claims** begins on page 3 of this paper.

**Remarks** begin on page 16 of this paper.

**Conclusion** begins on page 39 of this paper.